

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A medical lead for electrical stimulation or sensing, the medical lead comprising:

a generally flat paddle, the paddle including a proximal end and a distal end, the proximal end being joined to [[on]] a distal end of a body of the lead, the paddle defining an imaginary longitudinal center line, and the paddle comprising:

first and second major surfaces;

an electrode array comprising a plurality of electrodes ~~at least one electrode, each electrode of the array being~~ located on the longitudinal center line defined by the paddle, ~~the at least one electrode and~~ being exposed through the first major surface and insulated by the second major surface, thereby having directional electrical field properties relative to the first and second major surfaces of the paddle;

a portion being free of electrodes and extending proximally from the electrode array to the proximal end, the portion having a length of at least 40 mm; and

an orientation marker being displaced from the longitudinal center line, on one side thereof, and from every electrode of the at least one electrode array, the orientation marker including radio-opaque material such that, when the orientation marker is viewed under fluoroscopy, as being on a particular side of the longitudinal center line, the direction in which the first major surface of the paddle faces can be determined.

2. (Cancelled)

3. (Currently Amended) The medical lead of claim 1, wherein ~~in which the at least one each electrode of the electrode array~~ is recessed relative to the first major surface.

4. (Original) The medical lead of claim 1 wherein the orientation marker is coded to identify the model or serial number of the lead.
5. (Cancelled)
6. (Previously Presented) The medical lead of claim 1 wherein the radio-opaque material comprises platinum.
7. (Previously presented) The medical lead of claim 1 wherein the orientation marker comprises a discrete radio-opaque marker.
8. (Original) The medical lead of claim 7 wherein the orientation marker is formed of radio-opaque material selected from the group consisting of platinum and platinum/iridium alloy.
9. (Currently Amended) The medical lead of claim [[8]]1, wherein at least the portion of the paddle is formed of substantially transparent polyurethane material.
10. (Cancelled)
11. **Cancelled**
12. (Cancelled)

- 13. **Cancelled**
- 14. (Cancelled)
- 15. **Cancelled**
- 16. **Cancelled**
- 17. (Cancelled)
- 18. – 21. **Cancelled**
- 22. (Cancelled)
- 23. **Cancelled**
- 24. (Cancelled)
- 25. **Cancelled**
- 26. (Cancelled)
- 27. – 29. **Cancelled**